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Tenaska Examines Bank Proposals

A Tenaska subsidiary is sifting through financing proposals to back its 130 MW photovoltaic project in Southern California.

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Developer Hunts Calif. Wind Stake Buyer

Coram Energy is looking to sell a stake in a 102 MW wind project in Tehachapi, Calif.

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PUGET WEIGHS WASHINGTON WIND SALE

Puget Sound Energy is considering selling the remaining phases of its 1,200-1,400 MW Lower Snake River wind project in Washington as it faces decreasing power demand.

The Macquarie Infrastructure Partners-owned utility has had conversations with prospective advisors, including Morgan Stanley, and buyers about the project, deal watchers say. Morgan Stanley has not been mandated, says a Puget spokesman in Bellevue, Wash., adding that the utility is considering many options for the project, including a sale. The utility has not set a timeline to make a decision regarding the fate of Lower Snake River, the spokesman says, declining to



(continued on page 11)

INVENERGY SCOUTS \$415M IN ILL. WIND FUNDS

Invenergy is in the market with a \$415 million credit backing its 200 MW Bishop Hill I wind project in Henry County, Ill. The financing comprises a \$330 million term loan and \$85 million in bridge loans. Invenergy is hoping to close the deal by year-end.

The Chicago-based developer has tapped BayernLB, Dexia Crédit Local and Rabobank to lead the financing. Rolf Siebert, first v.p. of syndications at BayernLB, is helping to lead the financing. The debt has an 18-year tenor and is tentatively priced at LIBOR plus 237.5 basis points, though the developer is looking to lower the pricing. Invenergy is planning to contribute equity to the project, but less than the boilerplate 30%, says a deal watcher, declining to specify the figure. The sponsor's target debt pricing could not be learned.

Financiers describe Invenergy as one of the most aggressive developers in the power sector,

(continued on page 11)

CALIF. PPA SCRUTINY PROMPTS CONCERN

The California Public Utilities Commission is creating concern about the viability of power purchase agreements as it considers rejecting several PPAs finalized in the last two years.

The CPUC is weighing the fate of at least three completed renewable offtake agreements finalized between sponsors and local utilities from request for proposals in 2009 and 2010, because prices are higher than bids coming in to generation calls issued this year, says an attorney. Sponsors worry that the CPUC's apparent comparison of 2011 prices against executed contracts creates uncertainty for sponsors looking for financing and also requires them to front more equity. A CPUC spokeswoman in San Francisco didn't immediately address an inquiry.

"Developers must speculate as to where the market will be six to eight months after the PPA is filed and be prepared for a less predictable CPUC process," says the attorney. PPAs

(continued on page 12)

Check www.iipower.com during the week for breaking news and updates.

At Press Time

Developer Markets Tehachapi Wind Stake

Coram Energy is looking to sell its stake in a 102 MW wind project in California that it is co-developing with **Brookfield Renewable Power**. Initial bids for the project are anticipated to come in at the end of this month to advisor **Marathon Capital**. It's possible the timeline will be pushed back if prospective buyers are short-handed due to vacations, the deal watchers note.

The Coram project in Tehachapi, Calif., will sell power to **Pacific Gas & Electric** when it comes online in March. **Bank of Tokyo-Mitsubishi UFJ**, **Sumitomo Mitsui Banking Corp.** and **Mizuho Corporate Bank** wrapped a \$209 million financing package in June that included a \$150 million construction loan and a \$59 million bridge loan. The project is also expected to garner a cash grant from the U.S. **Department of Treasury** (PFR, 6/16).

Coram would also consider an offer for its other 22 MW of operational wind farms in Tehachapi, says one deal watcher, noting that those projects are opportunistically on the market. The two projects have offtake agreements with **Southern California Edison**.

A Brookfield spokesman declined to comment on whether the company is interested in buying out the other half.

Officials at Marathon and Coram Energy in Vancouver declined comment.

Tenaska Sifts Bank Proposals For Solar

Tenaska subsidiary **Tenaska Solar Ventures** is looking through bank proposals to lead a financing for its roughly \$500 million, 130 MW Imperial Solar Energy Center South photovoltaic project. **Citigroup** is advising on the deal.

The Omaha, Neb.-based Tenaska has told financiers it plans to contribute at least 30% equity to the project and has targeted at least \$350 million in debt (PFR, 11/12).

"Some sponsors will struggle to get money for big solar. Others won't have that problem. Tenaska is one of the few that will have little to no problem," says the deal watcher, pointing to the developer's large bank group and straightforward reputation. Relationship lenders include **BNP Paribas**, **Citi** and **Crédit Agricole**.

fast fact

► The DOE prioritized some projects over others as it approached the sunset of the Sect. 1705 loan guarantee program Sept. 30.

Tenaska had applied to the U.S. **Department of Energy's** loan guarantee program to help finance the project (PFR, 4/5), but the application reportedly was put on hold by the agency in May. The DOE prioritized some projects over others as it approached the sunset of the Sect. 1705 loan guarantee

program Sept. 30 (PFR, 7/22). Citi had been the lender-applicant on the DOE application. A DOE spokeswoman in Washington, D.C., didn't return a call by press time and whether or when the agency will resume working on the application could not be learned.

Greg Van Dyke, Tenaska cfo and treasurer in Omaha, didn't return a call, while a spokeswoman declined to comment.

San Diego Gas & Electric has a 25-year offtake agreement for the project, in Imperial Valley, Calif.

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**Institutional
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INTELLIGENCE FIRST

<p>Australia August 2011</p>  <p>South East Australia Gas Pty Ltd</p> <p>AUD 405,000,000 Project Finance Facility Natural Gas Pipeline</p> <p>Mandated Lead Arranger WestLB</p>	<p>Italy August 2011</p>  <p>TotalErg SpA</p> <p>EUR 900,000,000 Long Term Financing</p> <p>Mandated Lead Arranger WestLB</p>	<p>Spain/Mexico July 2011</p>  <p>Energía y Recursos Ambientales Energías Ambientales Guadalajara</p> <p>USD 148,800,000 Project Financing for a 102 MW wind farm</p> <p>Mandated Lead Arranger WestLB</p>	<p>Singapore July 2011</p>  <p>GMR Energy (Singapore) Pte Ltd</p> <p>SGD 670,000,000 Term Loan Facility 800 MW CCGT Power Plant</p> <p>Mandated Lead Arranger Technical Bank WestLB</p>
<p>Italy July 2011</p>  <p>Nuova Rete Solare S.r.l.</p> <p>USD 220,000,000 Project Financing of up to 79 MW PV plants portfolio</p> <p>Mandated Lead Arranger WestLB</p>	<p>Spain April 2011</p>  <p>Acciona Saltos de Agua, S.L. Corporación Acciona Eólica, S.L.</p> <p>EUR 1,421,000,000 Project Financing for a 1,306 MW renewables portfolio</p> <p>Mandated Lead Arranger WestLB</p>	<p>Russia /Germany April 2011</p>  <p>Nord Stream Phase 2</p> <p>EUR 2,500,000,000 2nd 1,200 km sub-sea gas pipeline to link Russia and Germany</p> <p>Mandated Lead Arranger WestLB</p>	<p>UAE March 2011</p>  <p>Shams Power Company PJSC</p> <p>USD 612,000,000 Project Financing</p> <p>Mandated Lead Arranger WestLB</p>
<p>US February 2011</p>  <p>Viento II Funding, Inc.</p> <p>USD 255,200,000 Financing of a 360MW wind farm portfolio consisting of three projects</p> <p>Joint Lead Arranger Sole Bookrunner WestLB</p>	<p>Kazakhstan January 2011</p>  <p>KC Kazakh Panama KNOC Consortium</p> <p>USD 168,000,000 Term Loan Facility Zhambyl Rig Project</p> <p>Mandated Lead Arranger Co-Financial Advisor WestLB</p>	<p>Chile December 2010</p>  <p>Hidroelectrica San Andrés Ltda. Hidroelectrica El Paso Ltda.</p> <p>USD 120,000,000 Project Financing for two 40MW hydroelectric run-of-river power plants</p> <p>Mandated Lead Arranger Bookrunner WestLB</p>	<p>Turkey November 2010</p>  <p>EnerjiSA Enerji Üretim A.Ş.</p> <p>EUR 1,000,000,000 Senior Debt Facilities</p> <p>Bookrunner Joint Lead Arranger WestLB</p>

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Project Finance

NextEra Lands Ill. Wind Funds

NextEra Energy Resources has wrapped a financing backing its 150 MW White Oak wind project in McLean County, Ill. Lloyds TSB and UniCredit are said to have led the deal. The financing closed this month.

NextEra sold Class B membership interests in the project to a Bank of America subsidiary for \$177 million in a tax equity deal in June. The sponsor is also garnering a cash grant for the project from the U.S. Department of Treasury.

The size of the credit and deal terms, including pricing and tenor, couldn't be learned. Bank officials declined to comment or didn't return calls. A NextEra spokesman in Juno Beach, Fla., didn't return a call by press time.

NextEra bought the project from Invenergy in January (PFR, 1/3), which is expected to be operational this year. The Tennessee Valley Authority has a 20-year offtake agreement for White Oak.

N.E. Developers Score \$102M Federal Loan

Co-developers Wagner Wind Energy of Lynne, N.H., and Brunswick, Maine-based Independence Wind have wrapped a \$102 million loan from the Federal Financing Bank backing their 50.6 MW Record Hill wind project in Maine. The developers qualified for the financing under the U.S.

Department of Energy's loan guarantee program.

Yale University

Endowment is the primary equity investor in the \$125 million project (PFR, 3/8).

The endowment could invest up to \$23 million, with Wagner and

Independence contributing less than 1% of project costs.

Most FFB loans under the DOE's loan guarantee program have been priced at LIBOR plus 37.5 basis points (PFR, 8/9). Robert Gardiner, Independence president in Brunswick, referred questions to Mike Novello, Wagner energy analyst in Lynne, who declined to comment. An FFB official in Washington, D.C., didn't return a call. A DOE spokeswoman in Washington, D.C., and a Yale spokesman in New Haven, Conn., declined to comment.

The pricing and tenor of the financing, the specific structure

of the partners' equity investments and the identity of the project's offtaker couldn't be learned.

Quintet Joins Calpine Retrofit Deal

BBVA, CoBank, Royal Bank of Scotland, Siemens Financial Services and WestLB have joined a \$300-400 million financing backing the retrofitting of Calpine's Los Esteros peaker in California. The Houston-based sponsor is targeting financial close by month-end.

Crédit Agricole is lead left on the financing, which will provide funding for the conversion of the 188 MW peaker to a 300 MW combined-cycle facility. The loan is priced at LIBOR plus 225 basis points and has a tenor of 10 years (PFR, 8/3).

The size of the financing and the lenders' commitments couldn't be learned. A Calpine spokeswoman in Houston didn't return a call by press time, while bank officials declined to comment or didn't return calls.

Pacific Gas & Electric has a 10-year offtake agreement for Los Esteros, in San Jose. The retrofit is expected to be complete in 2013.

fast fact

► The loan is priced at LIBOR plus 225 basis points and has a tenor of 10 years.

Details Emerge On First Solar Desert Deal

First Solar has priced a roughly \$400 million portion of a \$1.88 billion financing backing its 550 MW Desert Sunlight solar project at 225 basis points over LIBOR. The remaining portion of the deal is covered by a loan guarantee under the U.S.

Department of Energy.

The \$400 million bank loan includes a term loan that has a

fast fact

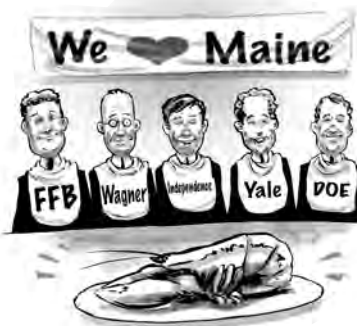
► A chunk of the remaining \$1.4 billion financing is expected to be financed by institutional investors in a bond deal or private placement.

tenor of construction plus 11.5 years and a five-year bridge loan, says a deal watcher. Goldman Sachs is the lender-applicant under

the DOE's Financial Institutional Partnership Program, which grants loan guarantees for up to 80% of a renewable project financing. It is also the lead arranger on the entire deal.

Citigroup is the co-lead arranger.

The DOE conditionally agreed to partially guarantee the Desert Sunlight financing in June (PFR, 6/30). A chunk of the remaining \$1.4 billion financing is expected to be financed by



institutional investors in a bond deal or private placement, a deal watcher says. Additional details on the wrapped part of the financing could not be learned.

First Solar is looking to sell equity in the Desert Center, Calif.-based project (PFR, 8/11). **NextEra Energy Resources** and **GE Energy Financial Services** are eyeing the plant and recently attended the financing launch as co-sponsors, according to the bank meeting invite. The status of the equity sale couldn't be learned. Spokesmen for GE EFS and First Solar declined to comment. A spokesman for NextEra in Juno Beach, Fla., didn't return a call by press time. Bank officials or spokespeople declined to comment or didn't return calls.

Pacific Gas & Electric and **Southern California Edison** have 25-year offtake agreements for 300 MW and 250 MW, respectively, of the photovoltaic project's generation.

Mergers & Acquisitions

Gas-Fired Investor Pair Eyes Next Purchase

Crestwood Energy Investments and **Energy Operations Group** are in talks to buy a fifth gas-fired plant by year-end. The efforts follow the pair's acquisition of the 55 MW gas-fired plant in California from **Energy Investors Funds** this week.

The investor pair's four-plant fleet consists of smaller gas-fired plants that have offtake contracts with merchant tails. They look

for plants with a few years remaining on their offtake contracts, which act as a bridge to the increased demand they anticipate in the merchant market, says **Charles Walker**, president at **Energy Operations Group** in Park Ridge, Ill. Walker has approached the owners of plants and initiated one-on-one talks. No financial advisor has been used. He declined to comment on details regarding the prospective purchase.

The co-owners are looking to combine their acquisitions, all are from EIF, under a single corporate structure and layer on debt, Walker says. The amount of debt sought would depend on the corporate structure and could be either asset- or contract-backed, he says, noting that the plans are not set. He declined to comment on how debt proceeds would be used. The structure would be set after the next acquisition, he says.

The Chicago-area investors recently pocketed the 55 MW Mojave plant in Boron, Calif., which has a power purchase agreement with **Southern California Edison**. Walker declined to comment on specifics, including purchase price and closing date.

Crestwood and **Energy Operations Group's** 125 MW fleet includes a pair of 10 MW facilities in Idaho bought from EIF and **Black Hills Energy** as well as the 50 MW Carson plant in Carson, Calif., bought from EIF and **JPMorgan** (PFR, 1/28 & 7/28/10).

A spokesman for EIF declined to comment. **Kirk Grimm**, chairman and ceo of **Crestwood** in Hinsdale, Ill., did not return a call.

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JUNE 10, 2011

Entegra Nears Gila Refi, Wayzata Grabs Unit

Entegra Power Group is in the market with a \$300 million refinancing on two units at its 2.2 GW Gila River while **Wayzata Investment Partners** has emerged as the successful bidder for Unit 2 of the combined-cycle facility. **Barclays Capital** is running the sale.

This recapitalization is noteworthy because one of the two units is merchant, making the deal 50% uncontracted. But participation

EBR Energy Business Review

AUGUST 11, 2011

Entegra Secures \$300m Loan For Gas-Fired Power Plant In Arizona

Entegra Power has won \$300m in senior secured credit facilities from five banks for two operating power blocks at its Gila River natural gas-fired power station in Arizona, US.

These credit facilities, which are for the power station's

YOU READ IT HERE FIRST!

Entegra Wraps Gila Refi

Entegra Power Group has closed a six-year \$300 million refinancing package for its partially merchant Gila River units in Gila Bend, Ariz. The package includes a six-year \$220 million term loan and \$80 million in letters of credit and working capital. The deal closed Aug. 10.

WestLB, **GE Energy Financial Services** and **Union Bank** were bookrunners (PFR, 6/10). **BNP Paribas** and **CIT** were joint lead arrangers. The package was expected to price at LIBOR plus 275 basis points, with step-ups.

In addition to extending the maturities on its debt, the refinancing brings more of its debt into the first lien. Entegra had a seven-year \$450 million second lien term loan and \$30

fast fact

► The \$850 million PIK loan has pricing of 600 bps over LIBOR.

million second lien synthetic letter of credit maturing in April 2014 in addition to an eight-year \$850 million payment-in-

kind term loan that is junior to its first and second lien maturing in 2015 (PFR, 3/9/07). The PIK loan has pricing of 600 bps over LIBOR. The amount of debt outstanding on the loans could not be learned.

In the last year, Entegra has sold half of the 2.2 GW facility to **Wayzata Investment Partners**, which bought both units 1 and 2 in the last year (PFR, 7/9/10).

Bank officials and spokespeople either declined to comment or did not respond to inquiries. **Michael Schuyler**, ceo and president of Entegra in Tampa, Fla., was not immediately reached.

Black Hills Unit Floats Wind Stake Sale

Colorado Electric, the utility subsidiary of **Black Hills Corp.**, is looking for an investor to split ownership of a 29 MW wind project in Colorado. Black Hills has launched a request for proposals for prospective buyers to take a 50% stake in the Busch Ranch project in Huerfano County. Notifications of intent to bid are due Aug. 22; a transaction is expected to be complete on Jan. 1.

The new owner of the 50% stake will replace existing owner and developer, **EUI Development**, which is affiliated with West Conshohocken, Pa.-based **Energy Unlimited**. Black Hills is not working with an advisor or independent evaluator on the sale. Why EUI is looking to exit the project could not be learned.

The \$53 million project is slated to be online late next year and the investor-owned portion will have a 25-year power purchase agreement with the utility. The project is expected to qualify for either a production tax credit, investment tax credit

or a Sect. 1603 cash grant in lieu of the PTC, according to a filing with the **Colorado Public Utilities Commission**. Both co-owners will be able to separately take advantage of tax benefits.

The CPUC approved the project and the ownership structure on Aug. 12.

A Black Hills spokeswoman in Grand Rapids, S.D., did not return a call. **Harry Halloran**, ceo of **Energy Unlimited**, did not respond to an inquiry.

People & Firms

Sabadell Eyes N.Y. Operation

Banco Sabadell is considering opening an office in New York as it expands its presence in U.S. project finance. The office would complement the four project financiers based in Miami, Sabadell's U.S. corporate headquarters, says a person familiar with the Spanish bank.

The bank is in the early stages of making a decision and has yet to finalize a timeline for the potential move. The trigger and details of Sabadell's U.S. project finance operations couldn't be learned. A bank official declined to comment.

Sabadell, which has taken small roles in a handful of U.S. deals, has been looking to boost its role in U.S. project finance and ultimately aims to help lead deals as its project finance budget expands, says an observer. It views the U.S. as a growing market home to strong sponsors. Sabadell is among a bevy of smaller European banks with renewable experience that have expanded platforms to the U.S. such as **Rabobank** and **Banco Espirito Santo** (PFR, 7/10/09). Sabadell has reportedly helped arrange financing for roughly 7.4 GW of renewables in Spain.

Sabadell joined financings backing **Edison Mission Energy's** 500 MW Walnut Creek simple-cycle plant in Southern California, **Gestamp Wind's** 60 MW wind project in Nebraska and **Caithness Energy** and **GE Energy Financial Services' 845 MW Shepherds Flat** wind farm (PFR, 7/29, 4/8, and 12/23).

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BBVA Hires Cantor Alum

BBVA has hired **Ben Lloyd**, who formerly worked in loan sales at **Cantor Fitzgerald**, as a syndicator based in New York. Lloyd joined BBVA on Aug. 1 and reports to **Rainer Kraft**, head of loan syndications.

Lloyd worked at Cantor starting in 2009 and left the company last year. Before that stint, he was at **Barclays**

fast fact

► **BBVA** had also been looking to hire a senior thermal originator in New York, as well as multiple financiers in its Mexico City office.

Capital handling loan sales and syndications. Whether or how Lloyd has been employed since he left Cantor last year and his title at BBVA could not be

learned. Lloyd and Kraft declined to comment.

BBVA had also been looking to hire a senior thermal originator in New York (PFR, 5/10), as well as multiple financiers in its Mexico City office (PFR, 8/8). Whether any of those slots have been filled could not be learned.

Corporate Strategies

Dominion Taps Bonds For CP

Dominion Resources has issued two separate bond offerings to take down almost \$1 billion of commercial paper. It issued \$500 million in 30-year unsecured notes at the beginning of this month and anticipated closing a \$450 million issuance of five-year senior notes last week.

Proceeds from both will be used to pay down a portion of \$1.2 billion outstanding in commercial paper at the end of July. Why the company decided to come to market now and whether the U.S. credit rating downgrade had any effect on the issuances could not be learned.

The notes due in 2041 carried a 4.9% coupon. Dominion priced the issuance at 110 basis points over U.S. Treasuries. The notes are rated Baa2, A- and BB+ by **Moody's Investors Service**, **Standard & Poor's** and **Fitch**, respectively. **Barclays Capital** is lead left and **BNP Paribas** and **Royal Bank of Canada** are bookrunners.

Bank of America-Merrill Lynch, **RBS Securities** and **Wells Fargo Securities** led the \$450 million issuance that matures in 2016. The bonds carry a 1.95% coupon. Dominion priced the issuance at 105 bps over Treasuries and it carries the same

fast fact

► The notes are rated Baa2, A- and BB+ by **Moody's Investors Service**, **Standard & Poor's** and **Fitch**, respectively.

ratings as the 30-year, according to a Dominion filing with the U.S. **Securities and Exchange Commission** on Aug. 11.

It's likely that Dominion will head to the bond market again this year to raise between \$250-350 million as it comes up against bond maturities totaling \$463.9 million this year, says a spokesman in Richmond, Va., pointing to the company's second quarter earnings call. He declined to make an official available for comment.

Spokespeople for the banks either declined to comment or didn't respond to inquiries.

SDG&E Scores Record Low Debt On Bonds



David Jones

Sempra Energy subsidiary **San Diego Gas & Electric** has scored a 3% coupon on its sale of \$350 million in 10-year first mortgage bonds, the utility's lowest coupon for 10-year notes. The deal wrapped Thursday.

"There was definitely a window. With the rally in the U.S. Treasuries, we knew it would take a high quality issuer to take advantage of that rally," says **David Jones**, president and CEO of joint bookrunning manager **CastleOak Securities** in New York. He declined to comment on the specifics of the SDG&E deal. **Fitch Ratings** assigns an AA- rating to the notes.

Deutsche Bank, **RBC Capital Markets** and **UBS** are the other joint bookrunning managers on the deal. **Guzman & Co.** and **Williams Capital Group** are also participating. Bank officials and spokespeople either declined to comment or did not return calls.

Proceeds of the notes will go toward the utility's \$1.8 billion capital expenditure program and wrap a power plant purchase this year, says a Sempra spokeswoman in San Diego. "They're at the peak right now in terms of the capex," says **Donna McMonagle**, managing director of Fitch in New York, pointing to the utility's five-year \$6.7 billion overall capex plan.

The utility will wrap a purchase of the 480 MW El Dorado combined cycle plant in Boulder City, Nev., from Sempra affiliate **El Dorado Energy** by the end of the quarter. SDG&E, which is exercising an option to buy the plant, had valued it at roughly \$189 million, according to a document filed with the **Public Utilities Commission** of California.

The utility is focusing a significant amount of its capex on its \$1.9 billion **Sunrise PowerLink** transmission project this year, McMonagle says. The 117-mile, 500 kV line will transport about 1 GW of renewable from the Imperial Valley to San Diego when it is complete next year.

Generation Auction & Sale Calendar

Generation Sale DATABASE

Following is a directory of ongoing generation asset sales. The accuracy of the information, which is derived from many sources, is deemed reliable but cannot be guaranteed. To report new auctions or changes in the status of a sale, please call **Holly Fletcher** at (212) 224-3293 or e-mail hfletcher@iinews.com.

Seller	Assets	Location	Advisor	Status/Comments
AES	Cayuga (306 MW Coal) Greenidge (105 MW Coal) Somerset (675 MW Coal) Westover (83 MW Coal)	Lansing, N.Y. Dresden, N.Y. Barker, N.Y. Binghamton, N.Y.	Barclays Capital	AES is looking to restructure about \$550 million in debt (PFR, 8/1).
AE Investor II	Astoria Energy II (4%, or 23.3 MW)	Queens, N.Y.	Whitehall & Co.	A group of high network individuals is exiting their B-class stake in the facility (PFR, 7/18).
ArcLight Capital Partners	Waterside (72 MW peaker) Crockett (162 MW Cogen) Hobbs (604 MW CCGT) Hamakua (60 MW CCGT) Borger (230 MW Cogen) Neptune (391 MW, 65-mile transmission line)	Stamford, Conn. Crockett, Calif. Hobbs, N.M. Honokaa, Hawaii Borger, Texas Sayreville, N.J., to Long Island, N.Y.	Citigroup, Barclays Capital	Teasers went out in late July (PFR, 7/25).
Black Hills Corp.	Stake (29 MW Wind project)	Huerfano County, Colo.	None	Utility sub is looking to bring in an outside owner for 50% (see story, page 5).
Brookfield Infrastructure Partners	Cross Sound Cable (24-mile Transmission)	N.Y., Conn.	Rothschild	Potential buyers are receiving CIMs right now (PFR, 5/2).
Capital Power	K2 (270 MW Wind)	Township of Ashfield-- ColborneWawanosh, Ontario		Samsung Renewables and Pattern Energy Group are joining Capital Power as developers (PFR, 8/15).
Cal Peak Power	El Cajon (49.9 MW Simple Cycle)	El Cajon, Calif.	TBA	San Diego Gas & Electric will buy the facility when its land lease agreement ends on Jan. 1 (PFR, 8/15).
Calpine	Mankato (375 MW CCGT) Broad River (847 MW Simple cycle)	Mankato, Minn. Gaffney, S.C.	Barclays Capital	Shelved the auction after bids came in low (PFR, 8/8).
Conti Group, Grupo Arranz Acinas	Development pipeline (550 MW Wind)	Texas, Kansas, Minnesota	Alyra Renewable Energy Finance	Teasers went out in late July (PFR, 8/1).
Coram Energy	Stake (102 MW Wind project)	Tehachapi, Calif.	Marathon Capital	Coram is selling a 50% stake in a wind project co-owned by Brookfield Renewable Power (see story, page 2).
Energy Investors Funds	Mojave (55 MW gas-fired)	Boron, Calif.	None	A pair of investors have bought the facility (see story, page 2).
GDF Suez Energy North America	Hot Spring (746 MW CCGT) Choctaw (746 MW CCGT)	Malvern, Ark. Ackerman, Miss.	UBS	UBS is releasing CIMs to interested parties (PFR, 5/15).
NextEra Energy Resources	Blythe (507 MW Combined-cycle) Calhoun (668 MW Peaker) Doswell (708 MW CCGT & 171 MW Peaker) Cherokee, (98 MW CCGT) Risec (550 MW CCGT)	Blythe, Calif. Eastaboga, Ala. Ashland, Va. Gaffney, S.C. Johnston, R.I.	Credit Suisse, Citigroup	Second round bids have been pushed to September given market volatility (PFR, 8/15).
NRG Solar	Various (stake in 881 MW solar pipeline)	Various	Credit Suisse	NRG is looking for a minority owner for its solar subsidiary (PFR, 5/9).
PNM Resources	Stake in Optim Energy	Texas	Morgan Stanley	Teasers are out as Cascade Investments considers exiting (PFR, 5/23).
Cascade Investment	Altura (600 MW Cogen) Twin Oaks (305 MW lignite-fired) Cedar Bayou 4 (275 MW natural gas-fired)	Channelview, Texas Bremond, Texas Chambers County, Texas	Evercore Partners	Cascade is considering its options, including restructuring and a sale of its stake (PFR, 7/11).
Recurrent Energy	Bagdad (15 MW PV) Ajo 1 (5 MW PV) Sunset Reservoir (5 MW PV) Cranbury (7.5 MW Distributed PV) Kaiser Permanente (15 MW Distributed PV)	Bagdad, Ariz. Ajo, Ariz. San Francisco, Calif. Cranbury, N.J. California	Credit Suisse	Indicative bids came in April 6 (PFR, 4/11)
Signal Hill Power, CarVal Investors	Wichita Falls (77 MW CCGT) Rensselaer (79 MW Peaker)	Wichita Falls, Texas Rensselaer, N.Y.	Scotia Capital	Teasers out in late June; first round bids said to be in (PFR, 8/8).
Strategic Value Partners, JPMorgan, Cargill	Liberty Electric Power (586 MW CCGT)	Eddystone, Pa.	JPMorgan	Final bids are due Aug. 1 (PFR, 8/1).
U.S. Power Generating Co.	Astoria Generating (2.1 GW Gas-fired)	Queens, N.Y.	TBA	After icing two sales and a restructuring the company is considering filing for bankruptcy pending the outcome of a FERC decision (PFR, 8/8).

Shaded items indicate latest entries.

Project Finance Deal Book

*Deal Book is a matrix of energy project finance deals that PFR is tracking in the energy sector. The entries below are of new deals or deals where there has been change in their parameters or status. To report updates or provide additional information on the status of financings, please call Senior Reporter **Brian Eckhouse** at (212) 224-3624 or e-mail beckhouse@iinews.com.*

Live Deals: Americas

Sponsor	Project	Location	Lead(s)	Loan	Loan Amount	Tenor	Notes
American Renewables	Gainesville (100 MW Biomass)	Gainesville, Fla.	BoTM, Crédit Agricole, ING, Natixis, Rabo, SocGen	TBA	\$500M	TBA	BoTM tapped to lead retail syndication (PFR, 8/1).
Boralex, Gaz Métro	Unidentified (272 MW Wind)	Seigneurie de Beaupré, Quebec	BoTM, DB, KfW	TBA	\$500-600M	18-20-yr	Dexia, LBBW, Mizuho and SMBC join club deal (PFR, 7/25).
Brookfield Renewable Power	Granite Reliable (99 MW Wind)	Coos County, N.H.	WestLB, Citi	TBA	TBA	TBA	DOE offers conditional loan guarantee (PFR, 7/4).
Calpine Corp.	Los Esteros (300 MW Retrofit)	San Jose, Calif.	Crédit Agricole	TBA	\$300-400M	TBA	Five banks join deal, including RBS and WestLB (see story, page 4).
Competitive Power Ventures	Ashley (200 MW Wind)	McIntosh County, N.D.	TBA	TBA	TBA	TBA	Sponsor initiates talks with lenders, tax equity providers (PFR, 8/8).
	Cimarron (165 MW Wind)	Gray County, Kan.	TBA	TBA	TBA	TBA	Sponsor initiates talks with lenders, tax equity providers (PFR, 8/8).
Constellation Energy	Portfolio (30 MW Solar PV)	Sacramento, Calif.	Crédit Agricole, Deutsche Bank	TBA	\$100M	TBA	Sponsor wraps financing (PFR, 8/8).
Edison Mission Energy	Walnut Creek (500 MW Gas)	City of Industry, Calif.	MUFG, Santander	TBA	TBA	TBA	Deal wraps, with 14 lenders participating (PFR, 8/1).
	Taloga (130 MW Wind)	Dewey County, Okla.	WestLB	TBA	\$200M	TBA	EME mandates WestLB to lead financing (PFR, 8/1).
Enova Energy Group, NuPower	Plainfield (37.5 MW Biomass)	Plainfield, Conn.	SocGen	TBA	TBA	TBA	SocGen wins mandate to lead syndicated financing (PFR, 7/18).
Gradient Resources	Patua (132 MW)	Reno, Nev.	BNP, Dexia, Scotia	TBA	\$600M	TBA	Sponsor retains Marathon Capital as financial advisor (PFR, 7/18).
First Solar	Desert Sunlight (550 MW Solar PV)	Desert Center, Calif.	Goldman Sachs	TBA	TBA	TBA	Bank meeting to market financing was Friday (PFR, 8/15).
Independence Wind, Wagner Wind Energy	Record Hill (50.6 MW Wind)	Oxford County, Maine	FFB	Federal	\$102M	TBA	Financing wraps (see story, page 4).
Invenergy	Bishop Hill I (200 MW Wind)	Henry County, Ill.	BLB, Dexia, Rabo	Term/Bridge	\$415M	TBA	Invenergy taps BLB, Dexia and Rabo (see story, page 1).
LS Power	Cross Texas (230 Miles Transmission)	Texas	BNP, Citi, Crédit Agricole and MUFG	TBA	\$433M	TBA	Deal wraps (PFR, 8/15).
NextEra Energy Resources	Genesis (250 MW Solar Thermal)	Blythe, Calif.	Credit Suisse	TBA	\$1B+	TBA	Syndication wraps (PFR, 8/15).
	Lone Star (300 Miles Transmission)	Texas	TBA	TBA	TBA	TBA	Sponsor targets pricing under 200 bps (PFR, 8/15).
	White Oak (150 MW Wind)	McLean County, Ill.	Lloyds, UniCredit	TBA	TBA	TBA	Deal wraps (see story, page 4).
NRG	Agua Caliente (290 MW Solar PV)	Yuma County, Ariz.	FFB	TBA	\$967M	TBA	FFB wraps deal, finalizing sale of project to NRG from First Solar (PFR, 8/15).
	El Segundo (550 MW Gas)	El Segundo, Calif.	Crédit Agricole, Mizuho, RBS	TBA	\$683M	10-yr	Eleven lenders join financing (PFR, 8/8).
Radback Energy	Oakley (624 MW Gas)	Contra Costa County, Calif.	BoTM, Crédit Agricole, Ix Calif.	TBA	TBA	TBA	Loan priced south of 225 bps (PFR, 7/18).
Recurrent Energy	Unidentified (60 MW Solar PV)	Calif.	BoTM, Lloyds, Mizuho, UniCredit	TBA	TBA	TBA	Four banks mandated to lead portfolio financing (PFR, 8/1).
Sempra Pipelines, Pemex	Various (Gas Pipeline)	Mexico	TBA	Refi	\$400M	TBA	Sponsors seek to lever existing pipelines for new development (PFR, 7/11).
Tenaska Solar Ventures	Imperial Solar Energy Center South (130 MW Solar PV)	Imperial Valley, Calif.	TBA	TBA	TBA	TBA	Banks pitch for mandate (see story, page 2).
Wind Capital Group	Unidentified (150 MW Wind)	Osage County, Okla.	BLB, Rabo	TBA	TBA	TBA	Sponsor mandates BLB, Rabo (PFR, 8/15).

Shaded items indicate latest entries.

News In Brief

News In Brief is a summary of publicly reported power news stories. The information has been obtained from sources believed to be reliable, but PFR does not guarantee its completeness or accuracy.

- **Solar Millennium**, a co-developer of a 1 GW solar project near Blythe, Calif., has decided to use photovoltaic panels for the first 500 MW phase of the project instead of the planned concentrated-solar technology. The announcement of the switch prompted the German company's stock to fall 26% in Frankfurt. Solar Millennium cited the shrinking cost of PV per kwh as a reason for the change (*Bloomberg*, 8/18).
- **NRG Energy** has hired **Kirkland Andrews**, **Deutsche Bank Securities'** co-head of power and utilities group in the Americas, as executive v.p. and cfo. Andrews will start Sept. 6 and replace **Christian Schade**, who is leaving to join healthcare company **Omthera Pharmaceuticals** as executive v.p. and cfo (*Yahoo! News*, 8/18).
- **Jens Meyerhoff**, who heads **First Solar's** utility systems business group after being the company's cfo, will resign Sept. 30. **James Brown**, First Solar's senior v.p. of utility systems, will replace Meyerhoff (*Dow Jones Newswires*, 8/18).
- The U.S. government is soliciting bids from wind developers to build offshore projects in federal waters between Block Island, R.I., and Martha's Vineyard, Mass. Leases could be awarded as soon as next year (*Providence Journal*, 8/18).
- The **Sierra Club** is concerned about how wind farms being developed by Austin, Texas-based **Baryonyx Corp.** off the coast of South Texas could affect 380 bird species, including 13 threatened or endangered species. Baryonyx is planning to build three offshore Texas farms, each with 200 turbines (*Corpus Christi Caller Times*, 8/18).
- **ERCOT** will pay **NRG Energy** and **Garland Power & Light** the costs to keep four mothballed gas-fired plants totaling 400 MW on reserve through October as the grid is hit by high temperatures and drought (*Dallas Business Journal*, 8/17).
- **Apex Wind Energy** is planning a 50 MW wind project in Ashtabula, Ohio, that is slated to be online by the end of 2012 and cost \$50-100 million (*The Star Beacon*, 8/17).
- The **Boulder City Council** in Boulder, Colo., has approved a ballot measure that will give voters a say on whether the city breaks ties with **Xcel Energy** and establishes a municipal utility (*The Denver Post*, 8/17).
- A 400 MW gas-fired project proposed by **Energy Management, Inc.**, to be built in Westfield, Mass., has been delayed by the recession and opposition. The developer is still negotiating power sales agreements and financing (*MassLive.com*, 8/17).
- **Exelon** will cut jobs from **Constellation Energy Group's** legal, information technology and financial departments as part of the planned \$7.9 billion merger (*Baltimore Business Journal*, 8/17).
- **Green Power Solutions**, a joint venture between **Beasley Forest Products** and **Land Care Services**, a specialty service contractor, is planning a 56 MW biomass project near Dublin, Ga. The **Georgia Public Service Commission** has approved the project, which is slated for operation in October 2012, and **Georgia Power** is readying a 20-year power purchase agreement (*Biomass Magazine*, 8/16).
- **NRG Energy** has agreed to buy **Energy Plus Holdings**, a Philadelphia-based retail electricity and natural gas provider, for \$190 million. The acquisition requires the approval of the U.S. **Department of Justice** and the **Federal Energy Regulatory Commission** (*Yahoo! News*, 8/16).
- **Evergreen Solar**, a Marlboro, Mass.-based equipment maker, has filed for bankruptcy and plans to sell itself in an auction. The manufacturer owes creditors \$485.6 million (*Bloomberg*, 8/16).
- The U.S. **Army** will spend \$7.1 billion over the next decade to boost renewables generation at its bases. It will look to generate at least 25% of its power from renewables by 2025 (*Watertown Daily News*, 8/16).
- **E.ON** has ordered wind turbines that can generate 201.6 MW from **Vestas Wind Systems** for a wind project in the U.S. The turbines will be delivered in early 2012 (*Dow Jones Newswires*, 8/16).
- The **European Union** is planning to refer Ontario's feed-in tariff program to the **World Trade Organization** on the grounds that the portions of the local content rule is inconsistent with international trade rules (*Platts*, 8/15).
- Pennsylvania's governor, **Tom Corbett**, is rolling back renewable energy programs to save the state money and shift policy toward harvesting from Marcellus Shale (*The Pittsburgh Post-Gazette*, 8/15).

PUGET WEIGHS

(continued from page 1)

elaborate on the utility's other options. Industry observers declined to comment on a potential purchase price.

Developers with an eye toward selling the power into California would be the most interested buyers, says one deal watcher, adding it would probably be an experienced shop with a large balance sheet that could fund a chunk of the development itself.

The utility is currently constructing the first 343 MW phase in a bid to meet the state's renewable portfolio standard and intends to maintain ownership of that phase. Lower Snake River could, at full build, hold 700 turbines across Columbia and Garfield Counties. Puget bought the first half of the project in 2008 from **RES Americas** and picked up the remaining stake for an undisclosed price the following year (PFR, 4/9/09). Puget expects the first phase, which is one of the first wind projects to be funded through a ratebase in the U.S., to be online in the spring.

Washington State has required utilities to meet 15% of its demand through renewable generation by 2020. Utilities must have 3% by the end of 2011, 9% by Jan. 1, 2016 and the full amount by 2020. Puget Sound is currently between meeting the second and third steps of the RPS when it includes the generation from the Lower Snake River's first phase, says the spokesman. Puget will need to slide more renewables into its mix to meet the RPS in 2020, although those additions could be through other renewable resources. The amount of capacity Puget will need to meet the RPS in 2020 could not be learned.

A Morgan Stanley spokesman in New York declined to comment.

—Holly Fletcher

INVENERGY SCOUTS

(continued from page 1)

likening it to **NextEra Energy Resources**, a sponsor known for tightening margins market-wide (PFR, 8/10). "Invenergy is tough, but good," says an originator who has worked with the company in the past. "I'd rather deal with a tough but competent sponsor than a nice and ineffective one."

Lenders are bullish about the deal, pointing to Invenergy's experience and the paucity of wind deals in the market. "It's pretty straightforward—a standard Invenergy deal," says the deal watcher.

Invenergy hosted a bank meeting in New York last week month to market the Bishop Hill I financing. Lenders weighing participation include **CoBank**, **Helaba**, **Mitsubishi UFJ Financial Group** affiliate **Union Bank**, **Natixis** and **NordLB**. Invenergy officials tend to lean on relationship lenders, says the originator, "but they're not going to turn down good offers."

Invenergy wrapped a \$259 million financing supporting its 138 MW Le Plateau wind project in southeastern Quebec (PFR, 5/17). **Natixis** and **Royal Bank of Canada** led that deal, with **BayernLB**, **Rabo**, **Sumitomo Mitsui Banking Corp.** and **Union Bank** participating.

The **Tennessee Valley Authority** is the offtaker for Bishop Hill I, under a 20-year offtake agreement. An Invenergy spokeswoman in Chicago declined to comment and **Jim Murphy**, coo and cfo, did not return a call. Bank officials declined to comment or didn't return calls.

—Brian Eckhouse

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CALIF. PPA

(continued from page 1)

with projects using photovoltaic technology, which has become cheaper to develop in the past few years due to an oversupply of panels and the entrance of several players into the U.S. (PFR, 12/23), are especially vulnerable to rejection.

The CPUC's energy division proposed a draft resolution in May rejecting a 20-year PPA inked in 2010 between **Pacific Gas & Electric** and developer **North Star Solar**, prompting the parties last month to cut the contract price by roughly 20%. The May resolution states that the North State Solar contract price is "unreasonably high compared to other comparable renewable... projects that have been recently offered to PG&E. PG&E provides no additional rationale or justification for this contract price." The CPUC will decide on the revised contract by October.

The utility selected North Star, a joint venture between a **Summit Power** affiliate and Oslo-based photovoltaic manufacturer **REC**, from a 2009 solicitation for new generation. The parties agreed to the terms of an offtake agreement for a 60 MW photovoltaic project in Fresno County, Calif., in 2010 and submitted it to the CPUC later that year, says **Dana Zentz**, managing director at Summit affiliate **NorthLight Power** in Seattle. The CPUC rejected the PPA last spring, roughly a year after the sponsor and PG&E began negotiating pricing, Zentz notes. "We went forward [in 2009] as was necessary," Zentz says. "We had to make commitments with the California ISO, did a panel-supply agreement and got an EPC contract. We obligated ourselves to these costs."

Lender Impact

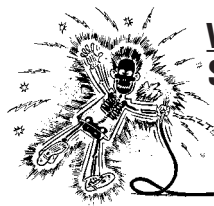
Lenders that act as financial advisors to sponsors preparing bids for generation calls create financing models based on current prices. If the North Star case sets a precedent, such that prices stipulated in executed contracts are slashed months later, the models are likely to demand either greater project equity or permit less leverage, says a senior financier in New York.

"It's incumbent on the commission to act based on the market when the product is executed," Zentz says. "There are attractive prices being offered [in the 2011 PG&E solicitation], but we're not convinced the lowest-cost offer in the RFP can be built or is sustainable." PG&E issued a solicitation for 50 MW of new solar generation in February (PFR, 4/14).

The terms of the original and revised North Star PPAs and the identity of other sponsors and utilities facing potential CPUC rejections of contracts couldn't be learned. **Michael Peevey**, president of the CPUC, and **Fong Wan**, PG&E senior v.p. of energy procurement, didn't return calls seeking comment.

—**Brian Eckhouse**

Alternating Current



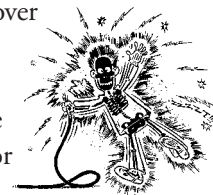
What's Cooking: Swedish Man Attempts Nuclear Reactor In Kitchen

Stovetop meltdowns can be messy, but for **Richard Handl** of Sweden, it could have been a bit more catastrophic.

Swedish police and the Swedish **Radiation Safety Authority** arrested Handl in Angelholm after police discovered evidence of his attempt to build a nuclear reactor in his kitchen last month. Handl, who had acquired radioactive material and had been actively blogging about his project at www.richardsreactor.blogspot.com tipped police off to his pursuit when he checked in with the country's nuclear authority to see if it was permissible for a private citizen to build a reactor.

"You need permissions of various kinds—like from the government," **Leif Moberj**, associate director at the authority in Stockholm, told *PFR*. "We realized: if he's asking this, does he already have radioactive materials?"

Handl acquired the radioactive materials from foreign companies and from old smoke detectors, which have some minute amounts of radioactive material. The 31-year-old, who had also purchased and reviewed at least one Geiger counter, did not have enough to prompt concerns over radiation—but more than is allowed by a Swedish citizen. Moberj declined to comment on details of Handl's life and the case. If convicted, Handl could face fines or up to two years in prison.



Quote Of The Week

"There was definitely a window. With the rally in the U.S. Treasuries, we knew it would take a high quality issuer to take advantage of that rally." — **David Jones**, president and ceo of boutique investment bank **CastleOak Securities** in New York, which is the joint bookrunning manager on **San Diego Gas & Electric's** \$350 million bond issue (see story, page 7).

One Year Ago In Power Finance & Risk

U.S. Power Generating Co. filed its Chapter 11 bankruptcy petition for 2.9 GW subsidiary **Boston Generating** that included a \$1.1 billion stalking horse bid from **Constellation Energy**. [Constellation prevailed as the winner of the court-run auction for BostonGen, topping an offer from a group of second lien creditors (PFR, 11/15).]